

VOsPS 5 year UTOC Sales Potential **Estimates** 26-01-12

tonnes / day = tpd

NOTE: All electric power is produced by steam turbine driven generators except where noted "ORC", ORC

Project and UTOC Energy From Waste system size		Electric Power Generation Capacity (MWe/hour)	Project Payback (years)	VOsPS CAD\$	VOsPS Sale	Status
1	New Zealand 1 st project 48 tpd 50MM https://www.wastetodaymagazine.com/news/ottawa-canada-identifies-waste-to-energy-facility-as-suitable-option-to-handle-increasing-waste-volumes/	1	less than 4.0	\$ 4,000,000	Jun 2026	In final planning stage
2	Ottawa Canada 500 tpd 340MM https://www.wastetodaymagazine.com/news/ottawa-canada-identifies-waste-to-energy-facility-as-suitable-option-to-handle-increasing-waste-volumes/	1		\$ 3,000,000	Jun 2026	Project Outline was submitted Sep 4, 2025
3		24	4.2	\$ 31,000,000	Feb 2027	Project Outline submitted Sep 4, 2025
4	Philippines Self contained UTOC system on Ocean barge with stabilizing jacks for sea side demonstrations, 12 tpd, 7MM https://globalnews.ca/news/11235931/toronto-to-consider-incineration-as-landfill-capacity-dwindles/	0.13	<i>zero, portable UTOC demonstration system only</i>	\$ 6,000,000	Aug 2026	VOsPS affiliates advise interest is growing in Philippines; as is project financing potential
5	New Zealand 2 nd project, 48 tpd 50MM	1	less than 4.0	\$ 4,000,000	Feb 2027	Stakeholder plan progressing
6	Toronto Canada 1300 tpd, 700MM UTOC EFW Plant https://globalnews.ca/news/11235931/toronto-to-consider-incineration-as-landfill-capacity-dwindles/	50	2.8	\$ 64,000,000	Mar 2027	Plant Summary planned for submission in the near future
7	West Africa 1000 tpd, 570MM UTOC EFW Plant*	40	3	\$ 26,000,000	Apr 2027	VOsPS-Project Developer MOU being finalized

8	Santa Clarita California 1550 tpd, 1140MM POSTER PROJECT THAT UTILIZES UTOC TECHNOLOGY CAPABILITIES IN ADDRESSING ALL CHIQUITA LANDFILL ISSUES SO CAN REOPEN FOR RECEIVING SANTA CLARITA AND ADJACENT Municipal Solid Waste.	80	less than 4.0	\$ 104,000,000	Jun 2027	Project Summary prepared, requires identification of appropriate contact
9	Blue Diamond Almond Growers, Turlock California USA plant, 660 tpd, 450MM almond hulls feedstock https://www.worldbenchmarkingalliance.org/publication/food-agriculture/companies/blue-diamond-growers-2/	31	less than 5.0	\$ 41,000,000	Jul 2027	Project Summary draft prepared, requires identification of appropriate contact
10	Waterloo Region, Ontario, Canada 634 tpd, 340MM UTOC EFW Plant	25	3.5	\$ 31,000,000	Sep 2027	Plant Summary planned for submission in the near future
11	British Columbia Canada 700 tpd, 400MM UTOC EFW Plant with ElectraTherm ORC power generation	7	4.0 (preliminary estimate)	\$ 36,000,000	Oct 2027	Project financing / approvals in final stages as of Oct 2025
12	Blue Diamond Almond Growers, Salida California USA plant, 840 tpd, 600MM almond hulls feedstock https://www.worldbenchmarkingalliance.org/publication/food-agriculture/companies/blue-diamond-growers-2/	42	less than 5.0	\$ 55,000,000	Feb 2028	Draft plant Summary prepared, requires identification of appropriate contact
13	Southern Alberta Canada 200,000 population Community, 480 tpd, 280MM UTOC EFW Plant	19	4	\$ 26,000,000	Feb 2028	prospect identified as good candidate for MSW Energy From Waste project

14	Winnipeg Manitoba Canada Energy From Waste plant at the South End Water Pollution Control Centre site 2,350 tpd 1200MM	88	10	\$ 109,000,000	Feb 2028	Stakeholders awaiting opportunity to observe first commercial UTOC Energy From Waste project in operation. Phase 2 of Winnipeg NEWPCC on hold until more than \$1 billion in government funding secured.
15	Philippines 1st commercial project 1,000 tpd, 570MM	40	less than 5.0 (preliminary estimate)	\$ 26,000,000	Feb 2028	first project addressing 1.7% of Philippine 57,500 tpd (ChatGPT) total MSW production
16	Congo Africa 1,000 tpd, 570MM UTOC EFW Plant	40	4.0 (preliminary estimate)	\$ 26,000,000	Jun 2028	2nd project under VOsPS-Project Developer MOU that is currently being finalized
17	West Africa 1500 tpd, 900MM UTOC EFW Plant	60	4.0 (preliminary estimate)	\$ 41,000,000	Apr 2029	3rd project under VOsPS-Project Developer MOU that is currently being finalized
18	Long Beach California USA 1,000 tpd 570MM UTOC EFW Plant	40	4.0 (preliminary estimate)	\$ 57,000,000	Jun 2030	Stakeholder contact information being identified
19	Philippines 2nd commercial project 1,000 tpd, 570MM	40	less than 5.0 (preliminary estimate)	\$ 26,000,000	Feb 2030	Second project addressing 1.7% of Philippine 57,500 tpd (ChatGPT) total MSW production
20	5 YEAR POTENTIALS SUBTOTAL >400% GROWTH IN 12 MONTHS	629		\$ 716,000,000		

21 ADDITIONAL 5 YEAR POTENTIAL WITH ESTABLISHED / GROWING PEDIGREE, INTERNATIONAL CONFERENCE & EXPOSITION ATTENDANCES, AND OPEN INTERNET MARKETING	1128	\$ 1,284,000,000	<u>Major new potential when</u> <u>Colorado USA inquiry was</u> <u>received December 5, 2025</u> <u>about UTOC applications for JBS</u> https://jbsfoodsgroup.com/ ; 5 <u>Rivers</u> https://www.fiveriverscattle.com/ <u>cattle operations, and; Duncan</u> <u>Family Farms</u> https://duncanfamilyfarms.com/ <u>UTOC IS IDEAL FOR THESE</u> <u>APPLICATIONS</u>
TOTAL 5 year VOsPS sales potential	1,757	\$ 2,000,000,000	

ganic Rankin Cycle generation

Comments
UTOC is energy system for Municipal Solid Waste recycling plant, ORC
Pilot Project for Trail Waste Facility landfill extension to 2053 for proving compliance with ALL City's objectives <u>and much more for less than 1/3 its next lowest cost option</u> , a new landfill, ORC
340MM UTOC Project for extending Trail Waste Facility landfill to 2053
Conditionally exclusive UTOC systems distributor Technology Use Agreement is available for the Philippines, ORC
UTOC provides energy for a 165,000 tonne / year Municipal Solid Waste pelletizing plant ORC
Anticipated that Toronto will watch Ottawa pilot project closely before proceeding with 700MM plant
A Technology Use Agreement project where VOsPS remains responsible for ~90% of UTOC system manufacturing done in project locale.

Allows re-opening Municipal Solid Waste disposal site and terminating ~US\$70 million / year fines and environmental compliance costs of existing site that has become an Elevated Temperature Landfill. **See how attached "Santa Clarita 1550tpd, 1140MM Proj Smry" can eliminate issues discussed at the 10:50 mark at https://lacdrp.granicus.com/MediaPlayer.php?view_id=1&clip_id=2054**

UTOC eliminates limitations on open burning of large volumes of almond shells while providing all plant electrical and process heating energy and eliminating large blanching effluent treatment requirements; residual electricity generated will be sold to grid

Anticipated that Waterloo Region will watch Ottawa pilot project closely before proceeding with 700MM plant approximately same time as Ottawa 340MM project

Most project approvals now complete awaiting BC Hydro agreement to provide 3 phase utility power connection to site.

UTOC eliminates limitations on open burning of large volumes of almond shells while providing all plant electrical and process heating energy and eliminating large blanching effluent treatment requirements; residual electricity generated will be sold to grid

Introduction / UTOC project development pending

Processes Winnipeg's North End Water Pollution Control Centre (**NEWPCC**) sludge **eliminating more than \$1 billion taxpayer** Phase 2 project cost. City of Winnipeg has been aware of UTOC Energy From Waste option since 2014. **Its first adopter concerns will be addressed upon observing VOsPS Beta Project in operation.**

Conditionally exclusive UTOC systems distributor Technology Use Agreement is available for the Philippines

A Technology Use Agreement project where VOsPS remains responsible for ~90% of UTOC system manufacturing done in project locale.

A Technology Use Agreement project where VOsPS remains responsible for ~90% of UTOC system manufacturing done in project locale.

Expected when unprecedented Santa Clarita (nearby Chiquita Landfill) project benefits are observed

Conditionally exclusive UTOC systems distributor Technology Use Agreement is available for the Philippines

All from targetted information dissemination and prospects impressed after viewing eloquently simple UTOC demonstration system in operation near Portage la Prairie, Manitoba.

VOsPS \$10 million Beta Project planned
operational in 2026 plus first New Zealand project
expected operational in 2027 will eliminate the
"first adopter" concerns of a rapidly growing
prospects list.

